DEVELOPMENT (194) Department

SERIES.

G.O. No. 4361

Dated 2-11-194

[Despatch Abstract.]

INDUSTRIES - Sericulture - Orfice of Sericultural Expert

Accommodation - Construction of buildings - Expenditure - Sanctioned

Department

From (Name) A.Khaleeli Esq., I.C.S.

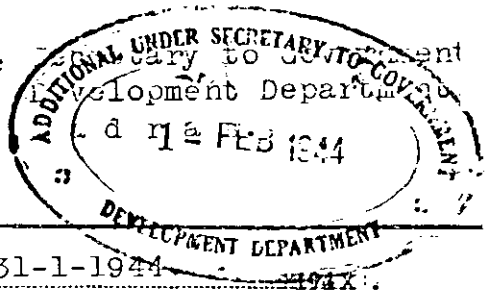
Designation Director of Industries and Commerce,

Station Madras.

Received Registered

To

The Secretary to Government Development Department



Enclosures :

No. 2804-D/43 dated 31-1-1944 ~~194X~~.

Sir,

Subject: Industries - Sericulture - Office of the Sericultural Expert, Kollegal - Accommodation - Buildings - Construction of - Proposals.

With reference to G.O.No.1000 Ms. Development dated 16th November 1935, the headquarters of the Sericultural Expert was transferred from Madras to Kollegal in 1936 A.D. Since then, his office has been located in a private building at a monthly rent first of Rs.25/- and now Rs.30/-. The Sericultural Expert has been obliged from time to time to change buildings and shift his office, resulting in dislo-cation of work. The employment of additional staff in the Sericultural section has thrown additional work on the Sericultural Expert's Office and Government have sanctioned my proposals for strengthening that office. The Sericultural Expert now needs more accommodation than previously. And it is not possible to rent a suitable building in Kollegal for the purpose. The different sections of the office are now housed in different buildings and this does not obviously result in efficient discharge of work. The

Sericultural Expert has accordingly suggested and I agree with him that a separate building for housing his office should be built to suit his requirements. Such a building may cost Rs.8,000/-. If the proposal commends itself to Government, I shall submit plans and estimates for their approval.

I shall be glad to have early orders of Government in the

Director of Industries and Commerce.

J.M.31.1.

To Addl A.S. Dev. Dept

In orders whether the proposal at M also will be considered as 'essential' at the present time and the D.I.&C. asked to submit plans & estimates

D.I.&C. may see for remarks.

S

3/11

VAS
.2.44

The activities of the Sericultural Section of the Dept are expanding. Desirable to find suitable buildings in Khyal & hence a provision this year.

Memo. no. 6028 D/44-1 d. 1-2-44

Sub: Industries - Sericulture - Office of the Sericultural Expert, Kollegal - Accommodation - Construction of Buildings - Plans and estimates - Called for.

Ref: From the D.D & C, no. 2804 D/43 d. 31-1-44

~~The D.D & C. is requested to Govt. agree to the proposal of the D.D & C., to Construct a building to accommodate~~ for ~~the office of the Sericultural Expert, Kollegal and direct him~~ to accept. He is requested (for the ~~already~~ Govt. details) for the Construction is ~~not~~ to submit plans and estimates ~~in this behalf for the~~ approval of ~~the Govt. the use of Controlled materials~~ should be restricted as far as possible. a separate 18.2.44 building for housing the office of the Sericultural Expert at Kollegal. The use of Controlled materials should be restricted as far as possible

Sd/- illegible.

C.F. 32.

52446 D/44
8.9.44

Department

From (Name) A. Khaleeli Esq., I.C.S.,
Designation Director of Industries and Commerce,
Station Chepauk, Madras.

Received Registered

To
The Secretary to Government
Development Department

Enclosures: Plans & Estimates

No. 2804-D/43 dated 28th August 1944 194

Sir,

Sub:- Industries - Sericulture - Office of the Sericultural Expert, Kollegal - Accommodation Construction of buildings - Plans and estimates - submitting.

Ref:- Government Memorandum No.6028-D/44-1, dated 21st February 1944 (and my D.O.No.2804-D/43 dated 8-8-44)

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p3 above
p15 of the Remarks file at D

The Sericultural Expert, Kollegal, who was asked to submit plans and estimates for the construction of buildings for his office has reported that necessary office accommodation for the two Assistant Sericultural Experts should also be provided in the same building as this would facilitate frequent consultations in the course of the discharge of their work and with this object in view he has submitted two alternative designs for the office building, on a slightly larger scale, Based on one of these 2 designs which was found to be more suitable for the purpose in view, revised plans and estimates have been prepared which are submitted herewith. Terraced roofing has been provided for th entire building with a view to adding another storey later if need be and the foundations have also been suitably designed to bear the extra load on account of the storey to be added later. A terraced portico

in front of the building has been provided. The covered area is about 3750 sq.ft. roughly and the estimated cost of the building including the portico amounts to Rs.28,500/- at the present prevailing rates working out to Rs.7-8-0 per sq. ft of covered area. It is also necessary to provide latrines for the office staff. I consider that 2 septic tank latri of 2 seats each may be provided as per plan enclosed. The estimated cost of these latrines amounts to Rs.2900/- as will be seen from the estimate enclosed. A sum of Rs.600/- has also to be provided for forming approach roads to the building. I request that Government will be pleased to accord sanction to incurring an expenditure of Rs.28,500 2900 + 600 or Rs.32,000/- for carrying out the above works I propose to take up the execution of this work as the last item in the programme of buildings to be constructed by the department and thus take advantage of any fall in prices in view of the present favourable war situation.

2900 = see p 47 below

A. Gopalan.

for Director of Industries & Commerce.

MVS/1-9.

pp 7-34 of
received & returned
to D. of C. in original
& forwarding to C.E.
for scrutiny vide
Memo at p 39 of

Memo. no. 6028 D/44 - II d 10.10.44

Sub: Industries - Sericulture - Office of Sericultural Expert, Kollegal - Accommodation - Construction of Buildings

pp 5-6 of Ref: From the D.I & C, no. 2804 D/43 d 28.8.44

It has been suggested that the construction of buildings for the office of the Sericultural Expert is not of an urgent nature and that it might be postponed for the duration of the war. The D.I & C. is requested to offer his remarks on the above suggestion.

'A' on pp 8-9 of

Secys order on p 10 of

10.10.44

The D.I & C, Mysore

R 29-10-44

Department

From (Name) A. Khaleeli Esq., I.C.S.

Designation Director of Industries and Commerce,

Station Chepauk, Madras.

Received ..... Registered .....

To

The Secretary to Government,
Development Department.

ADDITIONAL UNDER SECRETARY TO GOVT. DEVELOPMENT DEPARTMENT
25 OCT 1944

D/44

Enclosures:

No. 2804-D/44 dated 23rd October 1944.

Sir,

Sub:- Industries - Sericulture - Office of the Sericultural Export, Kollegal - Accommodation - Construction of buildings.

Ref:- Government Memo.No.6028-D/44-11, Development, dated 10-10-44.

I do not agree with the suggestion that the construction of buildings for the office of the Sericultural Export, Kollegal, may be postponed for the duration of the war. Considerable difficulty is experienced for want of suitable accommodation for the enlarged office of the Sericultural Export consequent on the various expansion schemes sanctioned recently. My suggestion to reserve this item to the last, was made just to see whether advantage could not be taken of any fall, in the intervening period, in prices of building materials due to improvement in the war situation, but that does not mean that the need for an office building is any the

less urgent, or that its construction can be postponed indefinitely. I request therefore that Government will be pleased to sanction the expenditure on the construction of the officers' building now. The work will however be taken up when conditions become a little more favourable than they are today.

A

Done 7/xi

Memo. no. 6028 D/44-12 d 30.10.44

Ee
30.10.44

Sub: Industries - Sericulture - office of sericultural Expert, Kollegal - Accommodation - Construction of Buildings - Proposals of D.I & C.

~~M.S. Ref~~ Ref from the D.I & C, no. 2804 D/43 d 28.8.44

The D.I & C. is requested to send the plans and estimates of the Buildings mentioned above to the Chief Engineer (General, Buildings and Defence) for scrutiny; ~~& after and submit them with his remarks~~

in duplicate

Hlwy 29/11

26.10.44:

To The D.I & C (with enel) plans & estimates in original

K ~~11.11.44~~ 1st

R 25.11.44 M 1 3/4 d

levy of a duty on certain sales
of electrical energy effected by
licensees in the Province of Madras

It is proposed to introduce the
Bill in the Legislature
shall be introduced
during this session and it is proposed to be
so in the February 1939 and it will be
referred to a Select committee

Memo. no. 6028 D/44-13 d 12.12.44

Sub: Industries – Sericulture – Office of Sericultural Expert, Kollegal – Accommodation – Construction Buildings – Proposals of D.I.& C.

Ref: Govt. memo no. 6028 D/44-12 d 30.10.44

The D.I.& C. is requested to state whether the plans & estimates have been scrutinized by the C.E. (General, Building & Defence) and if so, when may be expected

To The D.I.& C.

No.2804-D/43. Office of the Director of Industries and Commerce, Madras, dated 21-12-44.

From

A.Khaleeli Esq., I.C.S.,
Director of Industries and Commerce,

To

The Secretary to Government,
Development Department, Madras.

4720/44
3-1-45

Sir,

Sub: Industries - Sericulture - Office of the Sericultural Expert, Kollegal - Accommodation - Construction of buildings.

Ref: Government Memorandum No.6028-D/44-13 dated 12-12-44.

I have not yet received back the plans and estimates from the Chief Engineer (General, Building and Defence). I am reminding him in the matter.

for Director of Industries and Commerce.

G.M.2.1.

Rem. no. 6028 D/44-1/4 d 3.2.45

Sub: Industries – Sericulture – Office of Sericultural Expert, Kollegal – Accommodation – Construction of buildings

From the D.S & C, no. 2804 D/43 d 21.12

The D. S & C. is requested to state whether he has received ~~back~~ the plans and estimates from the Chief Engineer (General, Buildings & Defence Offg Security) and if so, when

I.F. 32.

Industries and Commerce Department

Received ——— Registered ———

From (Name) A. Khaleeli, Esq., I.C.S., To

Designation Director of Industries & Commerce,

Station Madras.

The Secretary to Government,
Development Department,
Madras.

Enclosures:

No. 2804-D/43 dated ~~15th~~ 5th September 1945.

Sir,

Sub: Industries - Sericulture - Office of the Sericultural Expert, Kollegal - Accommodation - construct of building .

Ref: Government Memorandum No.6028-D/44-14 dated 3rd February 1945.

I enclose detailed plans and estimates amounting to Rs.29,600 for the construction of office building for the Sericultural Expert, Kollegal. The plans and estimate were scrutinised by the Chief Engineer (Buildings and Defenc and revised by me in the light of his remarks (copy enclosed I request that Government will be pleased to sanction the estimate at an early date.

for Director of Industries and Commerce.

CvG-17/9.

Copy of Public Works Department letter No.1499-Wks/4 ted 25th June 1945 from the Chief Engineer, P.W.D. (Gl.Bldgs. & Defence the Director of Industries & Commerce, Chepauk, Madras.

Sub: Industries - Sericulture - Office of the Sericultural expert Kollegal - Accommodation - construction of building - Plans and estimates. Your letter D.3.2804/45 dt. 21-3-45.

The plans and estimate for the work referred to above are herewith returned with the following remarks.

(a) Foundations will require modifications according to the soil actually met with.

(b) It is preferable to use R.S.Js. if they can be got instead of C.W. beams, as it is difficult to get goods C.W. beams of required sizes. Calculations given for the beam hold good only for class II timber.

(c) The altered position of windows "E" are now shown in red in plan.

i) A.B.P. copy of Plan No.W7/1941 is herewith enclosed.

The size of the septic tank and dispersion trench provided is rather large for the No. of users given. Their sizes will require modification with reference to the instructions given in the B.P; enclosed.

(e) The rates have not been checked in the absence of a date.

Enc: 1 Estimate for Rs.32,000 in 14 sheets with specification and calculation for the work.
3 B.P. Plans K.S.F. No.13, 14 and 15.
1 copy of B.P.W. No.7/1941.

CwG-17/9.

Specification report to accompany the estimate and design for the proposed office of the sericultural Expert, Kollegal.

The enclosed estimate provides for an office to accommodate the Sericultural expert, two assistant Sericultural Experts and the concerned staff at Kollegal, with provision for a record room and a Silk room.

Provision is made in the estimate for the construction of a Portico terraced, in front of the building and for the construction of two septic Tank Latrines of two seats each.

The foundations and walls etc., of the main building and the Portico have been designed so as to be safe in case a 1st floor is added at a future date.

Calculations for the strength of the walls and the pressure on the soil and also for the beams etc., are enclosed.

I. Main building.

FOUNDATIONS. A depth of 5½ ft. is provided for the foundation of which the bottom 1'6" will be of concrete broken stone in lime mortar 1:2 (jelly 1½" size) and the rest will be of country bricks in lime mortar 1:2 in four footings as shown in the plan accompanying.

The nature of the subsoil is assumed as sandy loam and the foundations will be suitably altered if other soils are met with.

For the verandah retaining walls the depth of foundations will be 4' of which the bottom 1' depth will be of concrete broken stone 1½" size in lime mortar 1:2 and the rest will be of country bricks in lime mortar in three footings as shown.

BASEMENT. will be 2 ft. high above ground level and will be of country bricks in lime mortar 1:2 and 1'-10½" in thickness at the main and cross walls and 1'-1½" thick at the verandah retaining walls.

PRESSURE ON SOIL. The maximum calculated pressure on the soil is 0.9 tons s.ft. which is within the safe limits for sandy loam.

SUPERSTRUCTURE: The walls at ground floor will be of country bricks in lime mortar 1:2 and 1'6" thick. This has been allowed with the addition of a first floor at a future date in view as said above.

The parapet walls will be 1'-1½" in thickness and will be built centrally over the ground floor walls so as to be also be of country bricks in lime mortar 1:2.

STONE WORK. Bed stones below beams lintels over doors and windows caps over pillars at verandah, corbels of sunshades will all be of cut stone work two lines dressed and set in cement mortar 1:3.

WOOD WORK:- All beams joists brackets, bressummers etc., of sunshades will all be of country wood.--best seasoned Karimarudu or Pillamarudu and of sizes noted in the plan. A uniform section of 2" x 5" has been adopted for the joists as this is the most economical section for most of the spans obtained and the distances centre to centre will be altered to suit the spans.

Note:-- R.S. Joists of sections noted in the calculation sheets may with advantage be used if available in place of the countrywood beams.

Doors and Windows:-- All doors and windows will have country wood frames and teak wood shutters.

The doors will all be panelled and 4' x 7' in size.
Windows, except those for the silk room and the record room are glazed and 3' x 4' in size.
The windows will be glazed and provided with bars and expanded metal, ¾" s.w.m.
The silk and record rooms will be 2' x 8' and will

will be of Madras terrace with brick on edge, three inches concrete, three courses of flat tiles, three coats of lime plaster to top and one coat of cement plaster 1/2" thick 1:3 bottom. The roofing over the sunshades will be of Mangalore tiles over country wood reepers 2" x 1"

FLOORING. The flooring will be of 4" concrete, broken stone 1½" size in lime mortar 1:2 plastered over with cement mortar 1/2" thick 1:3.

PAINTING: All doors, windows, and wood work, will be painted with two coats of Chocolate paint (ready mixed) of approved make.

All portions of wood work built into the walls and the portions of doors windows etc.abutting the walls will be tarred two coats without extra cost.

FINISHING: Basement outside will be plastered with cement mortar 1/2" thick 1:3 and white washed twice.

The superstructure inside and out will be plastered with lime mortar one coat 1/2" thick and white washed twice.

II. Terraced portico in Front.

FOUNDATIONS: The foundations will be taken to 4' below G.L. of which the bottom 1' will be of concrete broken stone 1½" ⁄ size in lime mortar 1:2 and the rest of country bricks in lime mortar 1:2 in 3 footings of 1' depth each. The widths of the concrete and masonry footings are noted in the plan.

BASEMENT AND SUPERSTRUCTURE:- These will be country bricks in lime mortar 1:3 except the arches which will be of ashlar in cement mortar 1:3.

CUT STONE WORK. All templates below the beams will be cut stone work two lines dressed and set in cement mortar 1:3. The arches as above said will be, ashlar in cement mortar 1:3

WOOD WORK. The beams and joists will all be of country wood best. seasoned Karimadu or pillamarudu and of section shown in plan uniform section has been adopted for all the joists for presenting a good appearance.

NOTE:- R.S. Joists 14" x 5½" x 40 lbs may be used, if available in place of the country wood beams.

ROOFING:- This will be of Madras terrace with brick on edge 3" concrete three course of flat tiles, three coats of lime plaster to top and one coat of cement plaster 1/2" thick 1:3 to bottom.

FLOORING: will be of gravel 6" thick.

PAINTING: All wood work will be painted with two coats of approved, ready mixed chocolate paint.

Finishing:- Masonry above ground level will be plastered with cement mortar 1/2" thick 1:3 up to 2 ft. above ground level and with lime mortar one coat 1/2" thick above and white washed twice.

III. Two septic Tank latrines of two seats each.

LATRINES.

Foundations: The foundations of the latrines will be taken to 3 ft. below g.l. of which the bottom 1 ft. depth will be of concrete broken stone 1½" in lime mortar 1:2 and the rest of country bricks in lime mortar 1:3. The width of the concrete footing will be 2'-6" and that of the masonry 1'-6"

BASEMENT AND SUPERSTRUCTURE: These will be of country brick which will lime mortar 1:3 and will be 1/2" and 9" thick resp partition walls be the partition walls and pillars at the sides of country bricks in cement mortar 4½" thick and the pilasters

LINTALS OVER DOORS AND VENTILATORS. These will be of reinforced concrete 1:2:4.

DOORS. The doors will be panelled ones with country wood frames and Teak wood shutters, and of 2'6",X 6'-0" size.

VENTILATORS: These will be fixed louvres 2' x 1'-6" with country wood frames and ground glass louvres.

ROOFING: This will be of R.C. slab 4" thick with two courses of flat tiles set in cement mortar 1:3 at top. The roofing will project 1'-6" beyond the outerfaces of walls at the front and the two sides.

FLOORING: will be of 4" concrete broken stone in lime mortar 1:2 over a sealing layer of 1ft. thick concrete broken stone in cement mortar 1:3:6 and will be plastered over with cement mortar 1½" thick 1:3.

Water closets. Three water closets will be of the Indian type with pan trap and marble foot rest and one closet will be of the European type with pan trap, teak and seating plank and air proof flap cover (automatic). The Indian water closet will be of white glazed earthen ware and the European type one of white glazed porcelain.

SAND FILLING: The portion between the side walls of the septic tank and the walls of the latrine, from 2 ft. below G.L. to the bottom of the cement concrete will be filled in with sand well watered and consolidated.

FINISHING: All walls and basement outside will be plastered over with cement mortar ½" thick 1:3 and white washed twice.

VENTILATING SHAFTS: 2 cast iron ventilating shafts 12' high with the necessary c.i. bases and G.I. wire domes at top will be provided one for each of the two latrines.

SEPTIC TANK.

This will be a masonry chamber 11-10½" x 4' x 4' (upto G.L. built below and in between the two latrines as per design accompanying.

Name of work:- Constructing a building for the office of the Sericultural Expert at Kollegal.

ESTIMATE FORM - DETAIL MEASUREMENTS.

Detail of work	No.	Measurements in feet Length	Breadth	Depth	Area or contents.	Total.
(1)	(2)	(3)	(4)	(5)	(6)	(7)
I. MAIN BUILDING.						
1. Earth work excavating for foundation.						
Walls around the 2 wings ..	2	131-0	5-0	5-6	7205	
Front & rear walls of Account's clerk's room ..	2	34-6	5-0	5-6	1898	
Cross walls at the wings ..	2	12-6	5-0	5-6	688	
Below end pillars at front and rear verandah ..	2X2	1-6	5-0	5-6	165	
Below the other verandah pillars	2X4	5-9	5-0	5-6	1265	
verandah retaining walls between pillars ..	2X4	1-0	3-6	4-0	112	
Verandah at middle ..	2X1	4-6	2-0	0-6	125	
-do- below steps ..	1	4-6	2-0	0-6	5	
-do- ..	2	1-0	2-3	0-6	2	
-do- at rear ..	1	13-0	1-9	0-6	10	
Total					11476 or -----12000c.ft.	
2. Concrete broken stone 1½" size in lime mortar 1: 2.						
For foundations below walls around both wings ..	2	131-0	5-0	1-6	1965	
For foundations front and rear walls of Account's and Clerk's room	2	34-6	5-0	1-6	518	
Cross walls at wings ..	2	12-6	5-0	1-6	188	
Below end pillars at front and rear verandahs' ..	2X2	1-6	5-0	1-6	45	
Below the other verandah pillars	2X4	5-9	5-0	1-6	345	
Below verandah retaining walls	2X4	2-7½	3-6	1-0	74	
	2X2	6-3	3-6	1-0	44	
Below steps at front	2	4-6	2-0	0-6	9	
-do-	1	1-0	2-0	0-6	2	
-do- rear	1	13-0	1-9	0-6	10	
Total					3200 or 3200 C.ft.	
3. Country bricks in Lime mortar 1:2 in foundations & basement.						
Bottom most footing at foundation wings	2	131-0	3-4½	1-0	884	
next above	2	131-0	3-0	1.0	786	
-do-	2	131-0	2-7½	1-0	688	
-do-	2	131-0	2-3	1-0	590	
basement	2	131-0	1-10½	1-0	491	
Bottom most footing & foundations of front & rear walls of clerk's and Accountant's room	2	36-1½	3-4½	1-0	244	
next above	2	36-1½	3-0½	1-0	219	
-do-	2	36-10½	2-7½	1-0	194	
-do-	2	37-3	2-3	1=0	168	
basement	2	37-4½	1-10:	2-0	280	
				c/o	4544	

				B/F		4544
Cross wall at wings	..	2X14	1½x3	4½x1-0	95	
-do-	..	2X14-6	x 3-0	x 1-0	87	
-do-	..	2X14-10½	x 2-7½	x 1-0	77	
-do-	..	2X15-3	x 2-3	x 1-0	69	
basement -do-	.	2X15-7½	x 1-10½	x 2-0	116	
					444	444
Below end pillars of front and rear verandahs	..	2x2	1-6	3-4½	1-0	20
Next footing above	..	2X2	1-6	3-0	1-0	18
-do-	..	2x2	1-6	2-7½	1-0	16
-do-	..	2X2	1-6	2-3	1-0	14
basement portion	..	2X2	1-6	1-10½	2-0	23
below other pillars	..	2X4	4-1½	3-4½	1-0	101
next footing above	..	2X4	3-9	3-0	1-0	90
-do-	..	2X4	3-4½	2-7½	1-0	70
-do-	..	2X4	3-0	2-3	1-0	51
basement portion	..	2X4	2-7½	1-10½	2-0	78
Between pillars at verandah	..	2X4	3-0	2-3	1-0	54
		2X4	3-4½	2-3	0-6	30
		2X4	3-4½	1-6	0-6	20
		2X4	3-4½ 9	1-6	0-6	45
Basement portion	..	2X4	4-1½	1-1½	2-0	74
Between central pillars at verandahs		2	6-7½	2-3	1-0	30
		2	7-0	2-3	0-6	16
		2	7-0	1-6	0-6	11
		2	7-4½	1-6	1-0	22
		2	7-7½	1-1½	2-0	34
Steps in front	..	1	21-1½	3-0	0-5	32
		2	4-1½	2	0-6	8
		1	7-7½	2-0	0-6	8
		1	7-7½	1-0	0-6	4
		2	4-1½	1-0	0-6	2
steps at rear	..	1	12-0	3-0	0-6	18
		1	10-0	2-0	0-6	10
		1	8-0	1-0	0-6	4
	Total					5895 or ----5900 c.ft.

4. Country bricks in lime mortar 1:2 in superstructure.

Walls round wings	..	2	131-0	1-6	13-6	5306
Front and rear walls of Clerks and Accounts room	..	2	38-0	1-6	13-6	1539
Verandah pillars end	..	2X2	1-8½	1-10½	1-0	12
-do-	..	2X2	1-6	1-6	7-9	70
-do- middle	..	2X4	2-7½	1-10½	1-0	39
-do-	..	2x4	2-3	1-6	7-9	209
Screen wall above	..	2	38-0	1-6	4-10	551
Parapet wall around		1	274-0	1-1½	2-6	771
Binder walls over inner walls of wings		2	33-6	1-1½	1-6	113
Binder walls over walls at wings		2	16-4½	1-1½	1-6	55
Binder walls over front and rear walls of rooms for Account's and Clerks		2	38-4½	1-1½	1-6	130
String course at parapet	..	1	281-6	0-4½	0-4½	40
	Total					8835

Deduct for:-

Doors D	..	12	4-0	1-6	7-0	504
lintals over doors	..	12	5-6	1-6	0-6	60
Windows - W	..	16	3-6	1-6	4-0	336
lintals over above	..	16	5-0	1-6	0-5	50
ventilators V	..	4	4-0	1-6	1-10½	45
Windows E at Record and Silk Rooms		16	2-0	1-6	8-0	384
Lintels over ventilators	..	4	5-6	1-6	0-6	17
,, over E windows	..	16	3-6	1-6	0-4	28
Cut stone bases below beams	..	2X14	2-0	1-6	0-9	63
Terrace projections over walls of wings		2	128-0	0-9	1-0	192
Main hall	..	1	111-0	0-9	1-0	83
verandahs	..	2	92-0	0-9	1-0	138.
	Total deduction					1890

Net total less deductions 6944

5. Cut stone work 2 lines dressed and fixed in cement mortar 1:3.

Lintals over doors D. ..	12	5-6	1-6	0-6	49.5
-do- Windows W ..	16	5-0	1-6	0-5	50.0
-do- ventilators V ..	4	5-6	1-6	0-6	16.50
Cutstone lintels over Windows E	16	3-6	1-6	0-4	28.00
Cutstone templates below verandah Pillars (or caps over pillars)	2X2	1-6	1-6	0-6	4.50
Cutstone templates below pillars	2X14	2-0	1-6	0-9	63.00
Cutstone templates below verandah pillars (or caps over pillars)	2X4	2-3	1-6	0-6	13.50
Corbels for supporting wall purlins of sun shades at front	4X2	1-6	0-4	0-6	2.00
-do- at sides ..	2X5	1-6	0-4	0-6	2.50
-do- ..	2X5	1-6	0-4	0-6	2.50
at rear ..	2X4	1-6	0-4	0-6	2.00
at sides at quadrangle	2X3	1-6	0-4	0-6	1.50
Lintals for supporting streets of Sunshades (same quantity as for purlins of sunshades)					10.50
				Total	246.00 or 246.0

6. R.S.I Beams fixed in position under terrace roof in the rooms

12" x 5" x 30 lbs. ..	140	18-3" x 30 lbs	3.42 tons
-do- in verandahs 8" x 4" x 18lbs	2.	38-0 x 18# lbs.	0.61 ,,
		Total .	4.03 tons.

7. Countrywood standlings wrought and put up.

Chamber pieces on beams ..	4	16-0	0-10	$\frac{0-1"+0-5"}{2}$	13.33
	10	16-0	0-9	$\frac{0-1"+0-5"}{2}$	30.00
Joists at front and rear verandahs	2X26	8-0	0-2	0-5	28.89
-do- main hall ..	5X12	9-0	0-2	0-5	37.50
-do- side wings ..	2X4X12	7-6	0-2	0-5	50.00
-do- rear rooms ..	2X3x12	8-6	0-2	0-5	42.50
					202.22
Brackets of sunshades ..	42	5.3	0.3	0.3	13.78
struts ..	42	5.0	0.3	0.3	13.13
cleats ..	42	0-6	0.3	0-2	0.88
Bressumers and wall purlin at front sunshades ..	2X2	15-0	0-2	0-3	2.50
Bresumers and wall purlins at side Windows W ..	2X2	24-0	0-2	0-3	4.00
Bressummers and wall purlins at E Windows at sides ..	2X2	20-6	0-2	0-3	3.42
Bressummers and wall purlins at rear E windows ..	4x2	5-0	0-2	0-3	1.67
Bressumers and wall purlins at quadrangle ..	2x2	10-0	0-2	0-3	1.67
Rafters for front sunshades	2X8	6-6	0-1½	0-3	3.25
Rafters for front at sides o Windows ..	2X13	6-6	0-1½	0-3	5.28
E windows ..	2X11	6-6	0-1½	0-3	4.47
Rafters for at rear sunshades	4x3	6-6	0-1½	0-3	2.44
Rafters for at quadrangle ..	2x5	6-6	0-1½	0-3	2.03
				Total	260.74 or 261 c.ft.

8. Doors 4'x7' panelled, with country wood frames and Teak wood shutters including all fittings, hold faste, wind appliances, furniture (iron) and fixing in position.

Doors D .. 12 Nos. 12 or 12 Nos.

9. Windows 3½' x 4' panelled, with country wood frames and teak wood shutters including all fittings, hold fasts, wind appliances and iron furniture complete including fixing in position.

Windows W 16 Nos. 16 or 16 Nos.

10. Ventilators 4' x 1-10½" -with country wood frames and teak wood swing shutters with necessary fittings, hold fasts, brass rings, iron cleat hooks, sash & cord etc. complete and fixing.

Ventilators at Main hall - 4 Nos. 4 or 4 Nos.

11. Record room windows 2-0 x 8-0, glazed with iron bars and expanded metal with country wood frames and teak wood shutters including the necessary fittings, hold fasts, furniture and wind appliances and fixing in position.

Windows at Record and Silk rooms 14 Nos. 14 or 14 Nos.

12. Madras Terrace roofing with Brick on edge, 3 inches concrete, three courses of flat tiles three coats of lime plaster to top and one coat of cement plaster 1:3 to bottom S.S.46.A.

Roof over wings ..	2	48-0	17-6	1680
,, over portion ..	1	39-6	33-6	1323
			Total	3003 or 3000 s.ft.

13. Filling basement with excavated earth other than sand.

Main or Central Hall ..	1	37-7½	15-7½	1-8	1080
Verandah front and rear ..	2	37-7½	6-10½	1-8	862
Wings, front rooms ..	2	23-7½	15-7½	1-8	1230
,, rear ,, ..	2	20-7½	15-7½	1-8	1075
				Total	4147 or 4200c.f

14. Flooring with 4" concrete broken stone in lime mortar 1:2 and plastering with cement mortar ½" thick 1:3

Flooring of Main hall	1	37-7½	15-7½	588
Verandahs front & rear	2	37-7½	6-10½	517
Wings fromt rooms	2	23-7½	15-7½	738
rear	2	20-7½	15-7½	645
			Total	2488 or 2500 s.ft.

15. Plastering with cement mortar ½" thick 1:3.

Sills of doors.	12	4-0		1-6	72
Top of verandah retaining walls	2X4	4-1½	1-1½		37
-do-	2X1	7-7½	1-1½		17
Damp proof course at side wings alround ..	2	131-0	1-10½		491
-do- main hall walls	2	37-7½	1-10½		141
Basement outside alround	1	281-6		2.4½	668
				Total	1426 or 1500 s.ft.

16. Plastering with lime mortar 1 coat 1/2" thick including white washing 2 coats.

(contd)

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(cont)

hall		1	108-0		12'6"	1350
Side rooms front		2	80-0		12-6	2000
--do--rear rooms		2	74-0		12-6	1850
Verandas inside		2	89-0		12-6	2225
Outside of building superstructure		1	280-0		12-0	3360
Parapet allround		1	274-0		6-6	1781
Binder walls at top over X walls at wings.		2	16-4½		4-1½	135
--do on walls below main hall & wings		2	32-4½		4-1½	267
do on main hall walls.		2	38-4½		4-1½	315
Sides of doors	12x2		7-0	1-2		196
Sides and sills of windows W		16	12-6	1-2		233
do--- East		16	18-0	1-2		336
Sides and sills of ventilators		4	18-0	1-3		90
Sides of Verandah pillars.	2x10		1-6		7-0	210
			Total.			14350
Deduct for :--Doors. D.	12x2		4-0		7-0	672
Windows W.	16x2		3-6		4-6	504
Windows E.	16x2		2-0		8-0	512
Ventiliators. V.	4 x2		4-0		2-0	64
Verandah Openings.	8 x 2		4-6		7-0	504
do bottom portions.	8x2		4-1½		1-0	66
do central openings.	2x2		8-0		7-0	224
do bottom portions.	2x2		7-7		1-0	31
			Total deductions.			2577
			Net total loss deductions.			11773 or 11800sft.

17. Roofing with Marseilles tiles over country wood battens.

2" x 1" for Sunshades at front		2	15-0	5-6		165
do at side		2	24-0	5-6		264
do along side room and silk rooms.		2	20-6	5-6		225
do rear	2x2		5-0	5-6		110
do at quadrangle.		2	10-0	5-6		110
					Total	875 or 880sft.

18. Providing cornice 9" wide and 9" deep with country bricks in lime mortar as per approved design including plastering finishing and white washing 2 coats.

Cornice all round		1	284'			284 or 284sft.

19. Painting with Chocolate paint 2 coats with approved paint.

Doors panelled		12	4-0	2¼	7-0	756
Windows W Panelled		16	3-6	2¼	4-0	504
Windows E. glazed expanded metalled and iron based		16	2-0	2¼	8-0	640
Panelled ventilators V.		4	4-0	2¼	1-10½	68
Beams of main hall.		4	16-0		3-6	224
do wings front rooms	2x3		16-0		3-3	312
rear	2x2		16		3-5	219
Beams of front and rear verandahs.	2x2		38-0		2-3	171
Bracket of sunshade.		42	5-3	1-0		221
Struts. ,,		42	5-0	1-0		210
Cleats		42	0-6	0-4		7
Brossommers of sunshades front		2	15-0	0-10		25
Hall purlins do.		2	15-0	0-7		17

Bressemmers of sun shades at sides	2	24-0	0-10		40
Wall portions of --do--	2	24-0	0-7		28
--do--at T Windows.	2	20-6	0-7		24
Bressummer at do	2	20-6	0-10		34
Bressummer at rear L windows sun-shade	2x2	5-0	0-10		17
Wall portion at --do.	2x2	5-0	0-7		12
do at quadrangle.	2	10-0	0-7		12
Bressemmers at do.	2	10-0	0-10		17
Rafters of sunshades	86	6-0	0-7½		323
Chamber-piece on beams.	14x2	16-0	0-3 (Av)		112
		Total S.ft.			3993 or 4000.

II Constructing a Terraced Portico.

1. Earthwork excavation for foundations S.S. 20A.					
End pillars on verandah side	2	1-6	4-6	4-0	54
do projection	2	1-6	4-0	4-0	48
Mid pillars.	2	1-6	4-0	4-0	48
Pilasters at outer corner	2	8-9	4-0	4-0	280
do	2	2-3	4-0	4-0	72
Extra for projection.	2	9-0	0-4½	4-0	27
do	2	3-3	0-4½	4-0	10
		Total			539 or 550 C.ft
2. Concrete broken stone in lime mortar 1:2					
In foundations verandah side					
Pillar (end)	2	1-6	4-6	1-0	14
	2	1-6	4-0	1-0	12
do middle pillars.	2	1-6	4-0	1-0	12
Pillars at outer corners.	2	8-9	4-0	1-0	70
	2	2-3	4-0	1-0	18
Extra for projection.	2	9-0	0-4½	1-0	7
do	2	3-3	0-4½	1-0	2
		Total.	135 or 140 c.ft.		
3. Country bricks in lime mortar 1:2 in foundations and basement					
Verandah side and pillars bottom-most portions.	2	1-6	3-4½	1-0	10
Next	2	1-6	3-0	1-0	9
	2	1-6	2-7½	1-0	8
	2	1-6	2-3	1-0	7
do projection Ist footing	2	1-6	3-0	1-0	9
	2	1-6	2-7½	1-0	8
	2	1-6	2-3	1-0	7
	2	1-6	1-10½	1-0	6
Middle pillars on verandah side.	2	1-6	3-4½	1-0	10
	2	1-6	3-0	1-0	9
	2	1-6	2-7½	1-0	8
	2	1-6	2-3	1-0	
Outer corner pillars.	2	8-3	3-0	1-0	
	2	7-10½	2-7½	1-0	41
	2	7-6	2-3	1-0	34
	2	7-1½	1-10½	1-0	27
Add extra for projection.	2	7-6	0-4½	1-0	6
	2	7-1½	0-4½	1-0	5
	2	6-9	0-4½	1-0	5
	2	6-4½	0-4½	1-0	5
			Total		272 or 280cft.
4. Country bricks in lime mortar 1:2 in superstructure.					
Walls 3 sides up to top of terrace		60-6	1-6	11-6	1044
Extra for projection near verandah.	2	1-6	0-4½	11-6	13
do at outer corner.	2	6-4½	0-4½	11-6	79
Middle pillar	2	1-10½	1-6	8-6	48
					1184

Remarks		No.	Length	Breadth	Height	Quantity
		2				(Cont'd) from pg. 2 — Bf 1184
Parapets		1	60-10½	1-1½	2-6	171
Add extra for string course etc						49
				Total.		1404
Deduct for :-						
Arch openings		3	12-0	1-6	6-0	324
do segmental portion		3	16-35sft.	1-6		74
do Arches.		3	13-3	1-6	1-6	76
Cutstone tem-plates below beams.		2	2-0	1-6	0-9	5
				Total deduction.		479
				Net total less deductions.		925 or 950 cft.

5. Arch work with cut stones 2 lines dressed and set in cement mortar 1:3

Arch at porch	3	13-3	1-6	1-6	76 or 76 cft.

6. Cut stone work ~~work~~ 2 lines dressed and set in cement mortar 1:3

Cut stone templates below beams.	4	2-0	1-6	0-9	9 9cft.

7. R.s. Joints 14" x 5½"x 40lbs fixed in position

	2	19-6 x 40lbs.		0-7 tons	0-7 tons.

8. Country wood joists wrought and put-up.

Joists of terrace central bay	12	11-0	0-2½	0-7	16.04
do end bays.	2x2	6-6	0-2½	0-7	18.96
(allowing the same sections for uniformity).					
Camber pieces on beams.	2	13-0	0-8	0-3	6.00
				Total.	41.00 or 41 cft.

9. Madras Terrace Roofing with brick on edge, 3" concrete 3 courses of flat tiles, three coats of lime plaster to top and one coat of cement plaster 1:3 to bottom s.s. 46 A.

Terrace over porch.	1	25-0	19.6	449 or 450 s.ft.

10. Plastering with cement mortar 1/2" thick 1:3.

Basement round pillars near verandah-				
end pillars.	2	8-3	2-4½	39
do. middle.	2	4-10½	2-4½	23
Outer corner pillars.	2	23-0	2-4½	109
			Total	171 or 200 sft.

11. Plastering with lime mortar 1 coat 1/2" thick including white washing 2 coats.

Walls all round inside.	1	57-6	10-2	585
do outside.	1	65-9	10-2	668
Parapet all round.	1	60-10½	6-6	396
Middle.	2	4-10½	8-6	83
Faces of openings.	3x2	1-6	6-0	54
			Total.	1786
Deduct. openings.	3x2	12-0	6-0	432
--do-- segmental portions.	3x2	16-35sft.		98
		Total deductions.		530
		Net total less deductions.		1256 or 1300

12. Providing brick cornice 9" wide and 9" deep with country bricks in lime mortar plastered over-with lime mortar including finishing and white washing 2 coats.

Cornice on 3 sides	1	64 ft.	64 or 64 rft

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(1)	(2)	(3)	(4)	(5)	(6)	(7)

III. CONSTRUCTING TWO SEPTIC TANK LATRINES OF TWO SEATS EACH.

1. Earth work excavation for foundations in ordinary soils S.S.20-A					
Below septic tank	1	15-10⅝	6-0	7-0	667
On three sides of the two latrines for sand filling between the side walls of septic tank and the latrine walls	2	15-1½	2-6	3-0	227
	2	5-7½	3-6¾	2-0	80
Below steps	2	6-6	2-9	0-6	18
Below outlet Chamber	1	2-3	4-0	1-0	9
For dispersion trench	1	20-0	3-0	3-0	180
			Total ..		1181 or 1200cf
2. Concrete broken stone in lime mortar 1 : 2.					
In foundations below septic tank	1	15-10½	6-0	1-0	95
Below 3 sides of the two latrines	2	15-1½	2-6	1-0	76
Below steps	2	6-6	3-3	0-6	21
Below outlet chamber	1	2-9	4-0	1-0	11
At floor of latrine	2	4-1½	6-0	0-4	16
			Total ..		219 or 220 cft
3. Concrete broken stone in cement mortar 1:3:6 using 3/4" metal:					
Below floor of latrines	2	4-1½	6-0	1-2	58
Extra below closets	4	1-6	1-6	0-8	6
			Total ..		64 or 70 cft
4. Country bricks in cement mortar 1:4.					
Wall alround septic tank	1	33-9	1-6	6-0	304
Cross walls between latrines and above septic tank walls	2	2-0	0-9	1-1½	3
Side walls of outlet chamber	1	7-0	0-9	1-1½	6
Dwarf wall inside septic tank	1	4-0	0-9	2-0	6
Partition wall at latrines	2	4-6	0-4½	8-0	27
Pilasters at doors	2x3	1-1½	0-9	8-0	41
				Total.	387
5. Deduct for R.C. slab at side walls of septic tank below the latrine walls	2	7-1½	0-9	0-4	4
			Nett ..		383 or 400 cf
5. Country bricks in lime mortar 1:2 in foundation and basement.					
Walls on 3 sides of latrines					
in foundation	2	15-1½	1-6	2-0	91
-do- basement	2	15-10½	1-1½	2-0	71
			Total ..		162 or 170 cf
6. Country bricks in lime mortar 1;2 in Superstructure.					
Walls alround latrines	2	24-9	0-9	8-0	297
Deduct for doors	2x2	3-6	0-9	6-0	45
Lintels over -do-	2x2	3-6	0-9	0-3	3
fixed curves V	2x2	2-0	0-9	1-6	9
Lintels over -do-	2x2	3-0	0-9	0-3	2
Pilasters at doors brick in concrete	2x3	1-1½	0-9	8-0	41
			Total deduction		100
		Nett total less deductions			197 or 200 cft.
7. Reinforced concrete 1:2:4, slab including necessary centering etc. complete.					

(1)	(2)	(3)	(4)	(5)	(6)	(7)
Over septic tank	1	13-4½	3-6	0-4	15.6	
Over outlet chambers	1	2-3	3-3	0-4	2.4	
Lintels over door	2x2	3-6	1-1½	0-3	3.9	
Ventilators	2x2	3-0	0-9	0-3	2.3	
			Total		24.2	
Deduct for man holes	1	1-6	1-6	0-4	0.75	
	2	1-3	1-3	0-4	1.00	
	1	0-9	0-9	0-4	0.40	
	Totald Deoutions			..	2.00	
	Net total less deductions				22.2 or 22 Cft.	
8. Supplying C.I. Air light Man hole cover 1-6 x 1-6 and 1-3 x 1-3 of approved pattern including fixing the same in position Over septic tank	2 Nos.				2	2 Nos.
9. Supplying C.I. air tight man hole covers 1'-6" x 1'-6" of approved pattern and fixing same in position over septic tank outlet chamber and 0-9 x 0-9 on septic tanks	2 Nos				2	2 Nos.
10. Supplying and fixing in position doors, panelled 2'-6" x 6-0" with country wood frames and teak wood shutters (with out sill frames) including necessary hold fasts fittings, wind appliances and furniture complete as directed Doors for latrines	2x2 Nos.				4 or 4Nos.	
11. Supplying and fixing in position fixed 2-0" x 1-6" with country wood frames and ground glass louves including the necessary hold fasts etc. complete ventilators at latrines	2x2 Nos.				4 or 4Nos	
12. Roofing with Reinforced concrete 1:2:4, slab 4" thick with 2 courses of flat tiles set in cement mortar 1:3 at top Roofing over latrines	2	8-7½	7-10½		136 or 136 sft	
13. Filling in with sand including cost of conveyance of sand watering and consolidation. Below floor of latrines	2	5-7½	3-6¾	2-0	80	
-do- above	2	6-0	4-1½	0-8	33	
			Total		113	
Deduct for cement concrete below closets	2	1-6	0-6	0-8	3	
			Net		110 or 110 cf	
14. Supplying and fixing in position white glazed earthenware water closet, Indian type, comprising of pan, trap and 2 marble foot rests complete water closets	3 Nos.				3 or 3	
15. Supplying and fixing in position white glazed porcelain water closets - European type with trap, teakwood plank, automatic						

-(contd. pg.3)

Contd. from page 5.

air tight flap cover etc. complete and fixing in position One water closets for officers use	1 No.				1 No.
6. Plastering with cement mortar 1/2" thick 1:3 -					
Inside septic tank alround	1	27-9	7-1½		198
Dwarf walls sides and top	1	4-0	9-9		39
Dwarf walls around	1	4-0		10-9	43
Inside outlet chamber	1	8-0		1-1½	9
Septic tank	1	11-1½		2-0	22
Basement on 3 sides of latrines including 3" below G.L.	2	19-10½		8-3	328
Extra at side walls of septic tank	2	9-0		0-6	9
-do-	2	0-11½		1-6	3
Tops of steps	2	6-0		3-0	36
ends of -do-	2	~~6x0~~ 3-0		~~3x0~~ 1-0	~~36~~ 6
Latrine walls alround outside	2	27-9		8-0	444
-do- Inside	2x2	15-0		8-0	480
Side of doors	4x2	1-1½		8-0	72
Sides and sills of fixed louvres	2x2	5-0		0-6	10
Flooring of latrines	2x2	4-6	3-0		54
			Total		1755
Deduct r doors	4x2	2-6		6'-0"	120
Ventilators	4x2	2-0		1-6	24
Wall ends	2	0-4½		5-0	4
	2	0-9		4-0	6
			Total deductions		154
		Net~~%~~ total less deductions			1601 or 1600 sft.
17. Supplying and fixing in cement concrete 1:2 precast cement concrete 1:2:4 baffles 4½" thick Baffle at Septic tank	1	5-0		3-0	15 or 15 sft
18. Supplying and fixing in cement mortar 1:2 Precast cement slab 1" thick 1-0x1-6" At septic tank below outlet Tee	1 No.				1 1 No.
19. Supplying and fixing in cement glazed earthenware 4" Dr.Tees At septic Tank	5 Nos.				5 or 5 Nos
20. Supplying 4" Dr., C.I. ventilating shafts 12-0 long with necessary C.I. base plates, holding down bolts, with nuts etc. at bottom and G.I. wire dome, at top and fixing with necessary C.I. collars, plugs and coach services complete. Ventilating shafts for latrines	2 Nos.				2 or 2 Nos
21. Supplying & laying in position to required slppe with open joints, 4" Dr.earthenware pipes. Pipes for dispersion trench	1	20-9			20-9 or 21 R.ft.
22. Supplying at site 2" size broken stone metal including filling in the dispersion trench with it. for dispersion trench	1	20-0	3-0	3-0	~~180~~ 200
			Total		180 or 200 cft.
23. Sundry items such as painting doors with 2 coats of grey paint, painting the C.I. pipe etc. with 2 coats of Anticorrosive black paint and white washing walls etc.					L.S.

(1)	(2)	(3)	(4)	(5)	(6)	(7)
24. Refilling with excavated earth other than sand including consolidation and sectioning						

Estimate Form - Abstract.

Item No. 1.	Quantity 2.	Description of work. 3.	Rate. 4.	Per. 5.	Amount 6.	Total 7.
		I. Constructing a main Building with Portico and Office for the Sericultural Export, Kollegal.				
		(a) Main Building.				
1.	12 Units.	Earth work excavating for foundations in ordinary soils. S.S.20B.	6-11-0	Unit.		80
2.	3200 c.ft.	Concrete broken stone 1½" size in lime mortar 1:2	40- 1-0	100 c. ft.		1282
3.	5900 c.ft.	Country bricks in lime mortar 1:2 in foundations and basement.	42-10-0	-do-		2515
4.	7000 c.ft.	Country bricks in lime mortar 1:2 in superstructure.	45- 5-0	-do-		3172
5.	246 c.ft.	Cut stone work 2 lines dressed and set in cement mortar 1:3	2- 4-0	c.ft.		554
6.	4.03 tons.	R.S.I. beams fixed in position.	350- 0-0	Ton.		1411
7.	261 c.ft.	Country wood scantlings for joists etc. wrought and put up.	8- 3-0	c.ft.		2137
8.	12 Nos.	Doors panelled, 4' X 7' with country wood frames and teak shutters including all fittings hold fasts, wind appliances, furniture (iron) and fixing in position.	102-12-0	each.		1233
9.	16 Nos.	Windows 3'6" X 4'0" panelled with country wood frames and teak wood shutters including all fittings, hold fasts, wind appliances and iron furniture complete including fixing in position.	52-,0-0	each.		832
10.	4 Nos.	Ventilators 4 X 1-10½" with country wood frames and teak wood swing shutters with necessary fittings, hold fasts, brass rings, iron cleat hooks, sash cord etc., complete and fixing.	37- 6-0	each.		150
11.	14 Nos.	Record room windows 2'X8' glazed, with iron bars and expanded metal, with country wood frames and teak wood shutters including the necessary fittings, holdfasts, wind appliances and furniture complete and fixing in position.	110- 0-0			1540
12.	3000 s.ft.	Madras terrace roofing with brick on edge, 3" concrete, three courses flat tiles, three coats of lime plaster to top and one coat of cement plaster ½" thick 1:3 to bottom S.S. 26A.	67-10-0	100 s.ft.		2029

(1)	(2)	(3)	(4)	(5)	(6)	(7)
					B.F. 16935	
~~15x~~	~~1200~~	~~Filling in basement with excavated earth other than sand.~~	~~4- 5-0~~	~~1000 c.ft.~~	~~18~~	
13.	4200 c.ft.	Filling in basement with excavated earth other than sand.	4- 5-0	1000 c.ft.	18	
14.	2500 s.ft.	Flooring with 4" concrete, broken stone in lime mortar 1:2 and plastering with cement mortar ½" thick 1:3	20- 1-0	100 s.ft.	502	
15.	1500 s.ft.	Plastering with cement mortar ½" thick 1:3	6-12-0	"	101	
16.	11800 s.ft.	Plastering with lime mortar one coat ½" thick including white washing two coats.	4- 9-0	"	538	
17.	880 s.ft.	Roofing with Mangalore tiles over country wood - roopers ~~2"X2"~~ 2" X 1"	44-12-0	"	394	
18.	284 R.ft.	Providing cornice 9" wide and 9" deep, with country brieks in lime mortar as per approved design including plastering ~~finish~~ finishing and white washing two coats.	0-15-0	R.ft.	266	
19.	4000 s.ft.	Painting with Chocolate paint two coats with approved paint.	5- 6-0	100 s.ft.	215	
20.	256 s.ft.	Providing frames and planked partitions with country wood with a door 3'6" X 7'0" at middle.	1-14-4	s.ft.	485	
			Total for subwork.		19454	19454
		(b) Constructing a terraced Portico in front of the Proposed office.				
1.	500 c.ft.	Earth work excavation for foundations in ordinary soils S.S. 20A	6-11-0	1000 c.ft.	4	
2.	140 c.ft.	Concrete broken stone 1½" size in lime mortar 1:2	0- 1-0	100 c.ft.	56	
3.	280 c.ft.	Country bricks in lime mortar 1:2 in foundations and basement.	42-10-0	"	119	
4.	950 c.ft.	Country bricks in lime mortar 1:2 in superstructure.	45- 5-0	"	430	
5.	76 c.ft.	Ashlar arching in cement mortar 1:3	206-10-0	"	157	
6.	9 c.ft.	Cut stone work 2 lines dressed and set in cement mortar 1:3	2- 4-0	"	20	
7.	0.7 Tons.	R.S. Joists 14"X5½"X40 lbs fixed in position.	350- 0-0	Ton.	245	
8.	41 c.ft.	Country wood joists wrought and put up.	8- 3-0	c.ft.	336	
9.	450 s.ft.	Madras terrance roofing with brick on edge, three inches concrete, three courses flat tiles, three coats of lime plaster to top and one coat of cement plaster 1:3 to bottom S.S.46	67-10-0	100 s.ft.	304	
					1671	19454

(2)	(3)	(4)	(5)	(6)	(7)
			B.F.	1671	19454
10. 200 s.ft.	Plastering with cement mortar 1½" thick 1:3	6-12-0	100 s.ft.	14	
11. 1300 s.ft.	Plastering with lime mortar 1 coat ½" thick including white washing two coats.	4- 9-0	-do-	59	
12. 64 r.ft.	Providing brick cornice 9" ~~bricks~~ wide and 9" deep with country bricks in lime mortar 1:2 including plastering with lime mortar finishing and white washing 2 coats.	0-15-0	R.Ft.	60	
			Total.	1804	1804
					21258
	Add 16-2/3% for fluctuation in price.				3543
					24801
	Supervision and contingencies 5%				1240
					26041
				or	Rs. 26050

VR/8-.-45.

(1)	(2)	(3)	(4)	(5)	(6)	(7)
		II. Constructing two septic Tank Latrines of Two Seats each.				
1.	1200 c.ft.	Earth work excavation for foundations in ordinary soils S.S.20.A.	6-11-0	1000 c.ft.		8
2.	220 c.ft.	Concrete broken stone in lime mortar 1:2	40- 1-0	100 c.ft.		88
3.	70 c.ft.	Concrete broken stone in cement mortar 1:3:6, using ¾" size metal.	79- 9-0	"		56
4.	400 c.ft.	Country bricks in cement mortar 1:4	54- 0-0	"		216
5.	170 c.ft.	Country bricks in lime mortar 1:2 in foundations and basement.	42-10-0	"		72
6.	200 c.ft.	Country breiks in lime mortar 1:2 in ~~foundation~~ superstructure.	45- 5-0	"		91
7.	22 c.ft.	Reinforced concrete 1:2:4 slabs including the necessary centering etc., complete.	4- 0-0	one c.ft.		88
8.	2 Nos.	Supplying cast iron air tight manhole covers 2'-6" X 2'-0" of approved make and fixing in position.	30- 0-0	each.		60
9.	2 Nos.	Supplying and fixing in position, cast iron, air tight manhole covers 1'6" X 1'6" of approved make.	15- 0-0	"		30
10.	4 Nos.	Supplying and fixing in position doors, panelled 2'6" X 6'0" with country wood frames and teak shutters (without sill frames) including necessary hold fasts fittings, wind appliances and iron furniture complete.	65-10-0	"		263
11.	4 Nos.	Supplying and fixing in position fixed louvres 2'0" X 1'6" with country wood frames and ground glass louvres including the necessary holdfasts etc. complete.	15- 0-0	"		
12.	136 s.ft.	Roofing with Reinforced concrete 1:2:4 slab 4" thick with two courses of flat tiles set in cement mortar 1:3 at top.	157- 0-0	100 s.ft.		214
13.	110 c.ft.	Filling in with sand including watering and consolidation.	4- 4-0	100 c.ft.		5
14.	3 Nos.	Supplying white glazed, earthern ware water closets, Indian pattern, ~~xxx~~ comprising of pan trap and marble foot rests and fixing in position.	150- 0-0	Each.		450
15.	1 No.	Supplying glazed porcelain water closets European type with necessary trap, teak wood seating plank (with brass hinges) automatic, air tight, flap cover etc., and fixing in position.	150- 0-0	"		150
16.	1600 s.ft.	Plastering with cement mortar ½" thick 1:3	6-12-0	100 s.ft.		108

~~C/O~~ 1959

(P.T.O.)

(1)	(2)	(3)	(4)	(5)	(6)	(7)
					B.F. 1959	
17.	15 s.ft.	Supplying and fixing in cement mortar 1:2, precast cement concrete 1:2:4, baffles 3" thick.	0- 8-0	1 s.f	8	Local rate
18.	1 No.	Supplying and fixing in cement mortar 1:2 precast cement slab 1" thick and 1'0" X 1'6"	1- 0-0	Each.	1	
19.	5 Nos.	Supplying and fixing in cement glazed earthen ware Tees 4" Dr.	4- 0-0	"	20	
20.	2 Nos.	Supplying and fixing in position 4" Dr. Cast iron ventilating shafts 12' long with necessary C.I. base plates, holding down bolts with nuts at bottom of the shafts and galvanized iron wire domes at top and fixing in position with the necessary cast iron collars and wall plugs, coach screws etc. complete and painting two coats of anticorrosive black paint.	50- 0-0	"	100/- Rate for Est. purposes only.	
21.	21 R.ft.	Supplying and laying in position to required slope with open joints, 4" dr. earthen ware pipes.	2- 0-0	R.ft.	42	
22.	200 c.ft.	Supplying at site 2" size, broken stone metal including filling in the dispersion trench with it.	23-11-0	100 c.ft.	47	
[illegible]	L.S.	Painting doors, white washing walls, conveyance charges for the water closets ventilation shafts etc.			126	
[illegible]	L.S.	Refilling with excavated earth other sand, including consolidation and sectionery.			46	
					2349	
~~25.~~		~~Add extra for sludge pit.~~			~~68~~	
		Add 16-2/3% for fluctuation in prices (Approx)			395	
		Supervision and contingencies 5%			~~138~~ 138	
					~~2882~~ 2882	
25		Add extra for sludge pit			~~3050~~ 62 2950	
III.		Forming approach roads and metalling Porch etc.	L.S.		600	

Consolidated Cost.

Main building with portico.	.....	26050
Two septic latrines.	..	2950
Forming approach roads, including metalling porch.	..	600
		Rs. 29600

Linen Issued Page 2/10/45

T.M. C 6028 D/45

To The D.I.G.

Sub: Industries - Sericulture - Office of Sericultural Expert, Kollegal - Accommodation - Construction of building

Ref your letter no. 2804 D/43 d 5.9.45

Please expedite the submission of the plans referred to in the letter cited

Nk 2/10/45

(10 [illegible]

of Telephonic Message Dated 4/10/45.

From
The Director of Industries and commerce,
Chepauk. Madras.

To/ C. Under-S
The Secretary to Govt
Development Department
Madras.

Sub:--Industries--Sericulture--office of the Sericulture Expert
Kollegal--accomodation--construction of building.

Your Telephonic Message dated 3/10/45,

Three blue print plans are submitted seperately.

S. Gopalan

for Director of Industries and commerce

The blue prints - may be awaited till 11/10.45

Sub: Industries – Sericulture – Office of Sericultural Expert Accommodation – Construction of buildings – Expenditure – Sanctioned

Read: From the D. I & C. letters 2804 J/43 d 31.1.44 and 5-9-45

Order no. 4361 (Ms) Dev d 2.11.45

Sanction is accorded to an expenditure not exceeding Rs 29,600/= as per details in the annexure below on the Construction of a building for the offices of the Sericultural Expert and the Asst. Sericultural Expert, Kollegal.

2. The expenditure should be debited to "43a Industries – Industries – J, Sericulture". The A. G. is authorised to admit the expenditure in audit, pending the provision of funds later. The DIDC is requested to apply in due course for addl. appropriation of funds required in next Expenditure.

3. The construction of the buildings will be undertaken by department

The D. I & C.
" A.G. through this by the DIDC.

Annexe

Main building with portico	Rs 26,050
Two septic latrines	2,950
Approach roads including metalling porch	600
Total	Rs 29,600

(Extract of note on P.2)

Dev. Dept.

Subject:- Industries - Sericulture - Office of the Sericultural Expert, Kollegal - Accommodation - Construction of Buildings - Proposals of D.I & C.

6028/D/44 pp 1-4 Ref:- From the D.I & C., letter No.2804-D/43-, dated 31-1-44

--

To Addl. A.S.

For orders whether the proposal at M on page 2 c.f. will be considered as 'essential' at the present time and the D.I & C. asked to submit plans and estimates.

P.W.D. and Fin. may see for remarks.
Y.S.
3-2-1944. S.

The activities of the Sericultural Section of the Dept. are expanding. It is not easy to find suitable buildings in Kollegal to house a growing office. After seeing Kollegal what surprises me is not that a request for a building exists to accommodate the

Re Kollegal. What impresses me is not that
expense for a building to accommodate the Sericultural
Expert's staff should be met but the fact that
taken the Dept. of Agr. & made it
I have not understood. Presumably the D.K. may be
asked to submit plans & estimates

P.W.D. 5/2/44

Sir

539
Dev. & C. 6028 D/44-1
2.44

I am the circumstances the P.W. dept proposal for the construction of a separate building for providing accommodation to the Office of the Sericultural Expert, Kollegal, may be agreed to in this dept. 5047 Sep B/ with these remarks, the C. 539/8 44-1 file may be passed on to you the use of Contractors materials being restricted as far as possible

14/2/44 CB 11/2/44

SECRETARY TO GOVERNMENT
14 FEB 1944
FINANCE DEPARTMENT

Finance (Exp.B).

The proposal of the Development Department is to sanction the construction of a building for the office of the Sericultural expert, Kollegal, at an estimated cost of Rs 8,000. The office is now located in private buildings for which a monthly rent of Rs 30 is paid. The construction of an office building is proposed as the different sections of the office are now housed in different buildings and as it is not possible to rent a suitable building in Kollegal for housing the entire office. The Development Dept. propose to ask the Director of Industries and Commerce to submit plans and estimates for the proposed building. The P.W.D. have agreed to the proposal. Finance also may agree - see Development Secretary's note on pp.2-3 above.

SPECIAL UNDER SECRETARY TO GOVERNMENT
17 FEB
DEVELOPMENT DEPARTMENT

D.S.

M/16/2/44

6.2.44. MM 16/2 Dept

Fin UO. 6647 Exp B
16.2.44

To Addl. A.S.

The P.W.D. and Fin Depts. agree to the proposal to call for plans and estimates for constructing a building for the Sericultural experts' office. Subject to orders, a draft memo to the D.I.&C. is submitted for approval.

Dev. Dept 9975D/44
MM on p.3 above
Vide note at pp.3-4 above

M 18.2.44 VDN 18-2-44

MM/18/2/44

p 3 cf [Issued as Memo no. 6028 D/46-1 d 21.2.46]

6 cf [From the D.D.C. no 2804D/43 d 28.8.46]

To Addl. Cs.

In January 46 the D.D.C. submitted a proposal for Constructi a building at a cost of Rs 8,000/= to accommodate the office of the Sericultural Expert Kollegal, as the office was housed in a rented building at Rs 30/= p.m. and on account of the increase of staff, different Sections of the office were housed in different buildings. The P.W.D and Fin depts agreed to the proposal and detai plans and estimate were called for from the D.D.C. He has n submitted the plans and estimate but they involve an expenditure of Rs 32,000. The increase in the estimate is due to revising the plan of the buildings to accommodate

M'on p 1 cf

pp 3-4 above

Memo at p 3 cf

D'on p 5 cf

R'on p 6 cf

A'on p 5 cf

the office of the ~~Asst Secretariat~~ Experts also and to construct two septic tank latrines for the use of the Staff. These two items were not originally ~~Considered~~ ~~when calling for detailed plans and estimates~~ departed to by the Govt previously.

In order whether these principle may be accepted in view of the reasons given by the D-G-H at pp 5-6 of

~~The case may be sent to P.W.D. for an early opinion for remarks~~

Z on p 6 of. It is proposed by the D-G-H that the Construction of the buildings will be done departmentally ~~instead~~ of by the P.W.D. Ordinarily ~~all~~ works for Govt offices are under the control of the P.W.D. and such large outlay as ~~mentioned~~ ~~in the~~ Civil works' budget. It is for consideration of the P.W.D whether the estimate prepared are in accordance with their departmental specifications and whether there is any objection to Construction by Departmental by the D-G-H.

It will also appear from Z on p 6 of

That this Dept does not consider the work as of any urgency to justify its execution immediately.

The case may be sent to P.W.D and this Dept. for remarks.

Secy

For orders on "X" on P. 6 ante as to the opinion of this Dept. before sending to Fin. and P.W.D. The original proposals have been very much elaborated – see particularly "X" on p. 5, 6 P.F. and particularly "terraced portico" etc.

S

Have the plans & estimates been sanctioned by the Govt?

If they have been sanctioned ask the D.Ite & then send to the C.E for scrutiny.

There are no suitable military or Khillat & hence the

Ex. Cultural Expts Group Area - Please see my note at D on p. 3 ante.

P.W.D

Sir

P.W.D

Dev 4.0.6028/44-I

[Previous notes of this dept are at p. 3 ante] 16.9.44

The notes of Devt. dept from page 5 ante may be perused. The cost of the work is now reported to be Rs. 32,000. Doubtless there will be necessity to use controlled materials, e.g. iron pipes for septic tank latrines. It is stated that the work is not of an urgent nature. In the circumstances, this dept may perhaps suggest that the proposal be postponed for the

C 4039
17 SEP 1944

× p 5 ante

vide B on p 6 C/f

vide A on p 7 ante

A

A

duration of the war unless Dev. consider the work is inescapable.
The file may be passed on to Fin

It does not appear that the plans a estin have been scrutinised by the P.W.D. As noted Dev Secy on p 2 ante, the papers may be sent to Fin for scrutiny if it is considered the proposal should be pursued
The file may be returned to Dev this Fin

B

48590 (EB)

2/9/44

2/9/44

I would suggest that this be postponed. The work d not seem to be inescapable.

ADDITIONAL UNDER SECRETARY TO GOVT.
2 OCT 1944
DEVELOPMENT DEPARTMENT

P.W.O. 4039 C/44-1
25-9-44.

Fin : ... agree ... Secy, P.D

Fin 2/9/44

Dev

Fin No. de 8590 (EB)

27.9.44

H.C. 3907/44

30-9-44

Dev

30 Sept

To Addl. U.S.

Please see note from pp 5–9 above. In View of Secy's remarks at M on pp 1 & 3 above, the need for office building, for the Secretariat Expansion seems urgent.
For orders whether the views of P.W.D. at A' on pp 8–9 above will be accepted or whether the D.I & C. will be addressed as suggested at 'B' on p 9 above.

4.10.44 DAS 4/10/44

The work may be considered as urgent and the D. of I & C. addressed as 'B' on P. 9 ante.

S L
5/10/44

Ask the D.M. to Digest Letter which may be furnished for the Secretariat? | A

P. N. Menon

To Addl. U.S.

Orders above: A draft memo to the D.I.C. is submitted below for approval.

10/10/44 DAS 10/10/44

[Issued as Memo no. 6628 D/44-11d 10.10.44] p35

From the D.D & C. No. 2804 D/44 d 23.10.44

To Addl. C.S.

Please see Secretary's query at 'A' on p/o above and the D.D & C's reply at pp 37-38 cf. Since the construction of the office building is considered urgent, the D.D & C. may now be addressed as at 'B' on p 9 above. Subject to orders, a draft memo to the D.D & C. is submitted below for approval

S L
Nov 44

29/W

39 cf — Issued as Memo No 6028 D/44-12 d 30.12.44
Issued as Memo No. 6028 D/44-13 d 12.12.44]

43 cf — From the D.D & C, No. 2804 D/43 d 21.12.44]

To Addl. C.S.

Please see the D.D & C's letter at p/43 cf. He may be reminded on the matter again on 3-2-45. A reply

Nov - Dec
3.1.45

45 cf [Issued as Memo 6028 D/44-14 d 3.2.45

[From the D.I.G. No. 2804-D/43 d 5.9.45] ℔ 47 ℄
[Issued as T.M. d 2.10.45] 15 ℄
[From the D.I.G. P.C. of T.M. d 4.10.45] ℔ 77 ℄

To A.S.

Please see the D. I & C's letter at p. [illegible], plans * Kept below and estimate have been prepared in Consultation with P.W.D. ✓ ff 5-7
Subject to orders, a draft order is submitted below for approval. It may be sent to P.W.D & Finance for acceptance

Dir. may be requested to advise whether the debit of account proposed in the draft is in order, in view of the Capital nature of the expenditure or to suggest alternative

B

Sd 12.10.45
20/10/45 Head of dept, if necessary

P.W.D. / Fin

Dir no 6028-D/41 15
13.10.45

P.S. to Dept

This department last moves in this file at ff 8 ante. The work in question is considered to be urgent - please see the Director's letter on ff 37-38 ante. For orders whether the last head will be accepted. A/S

* the work was considered inescapable.
Strike off the work during the current year

ASST. SECRETARY TO GOVERNMENT
15 OCT 1945
PUBLIC WORKS DEPARTMENT

Finance (Accounts B)

Please see the previous Finance notes on pages 4 and 9 above, the Director's letter on pages 37-38 c.f. and the notes on pages 12-13 above.

1. This department ~~has already~~ agreed to the construction of a Government building for accommodating the office of the Sericultural Expert, Kollegal, but the cost was then estimated at Rs.8,000/-. The estimate has been subsequently revised to Rs.29,600/-, so as to accommodate the offices of the Assistant Sericultural experts also. The plans and estimates have been scrutinised by the C.E.

2. As the expenditure is on a major work, the proposal will ordinarily have to be treated as a Part II scheme for 1946-47.

In his letter on pages 37-38 C.F., ~~dated 28-10-46~~, the Director of Industries and Commerce reported that the work was urgent and asked for the expenditure to be sanctioned even then but he proposed to take up the work when conditions become a little more favourable. Apparently it may be possible for him to take up the work in the current year. This department may agree.

3. The estimated cost is Rs.29,600/-, i.e. less than the Rs.30,000/- limit for being treated as a new service. ~~It may become somewhat less if the work is started, when conditions~~

departmental Engineer who will execute the work acting as Public Works disbursor. - see para 98 of the P.W.D.Code. In that case the technical sanction of the P.W.D. authority will have to be obtained with reference to para 103 of the P.W.D. code.

In the present case the departmental Industrial Engineer is a competent ~~fix~~ officer and there will be no need for P.W.D. s technical sanction. The cost may ~~therefore~~ be debited to "43. Industries" as in the draft. The Cost of Cocoon markets departmentally executed was also debit ~~to~~ "43. Industries" — See Mno C.O. at

JR 1.x.45

23-10-45

Dev Dept DDD/45

To u.s.

This file deals with the proposal of the D.I & C. to construct ~~x~~ buildings at Kollegal to house the offices of the Sericultural Expert and of the Asst. Sericultural Experts; ~~as~~ The existing ~~present~~ arrangement of ~~housing~~ locating the offices in different buildings ~~at monthly rents~~ is unsatisfactory, Caridon ~~as it leads to changing the office premises from time to time and as it is desirable to have a ~~fixed~~ building to accommodate the staff.~~ The D. I & C. has now submitted plans and estimates for Construction of buildings for the offices in that ~~Connection~~ in Consultation with the Chief Engineer. The cost of Construction is estimated ~~to be~~ Rs 29.600/= p.m. The P.W.D and the Finance dept. agree to the proposal. As the work is proposed to be undertaken departmentally, the technical sanction of the P.W.D. is not needed. Subject to orders, a ~~The~~ draft order is submitted herewith sanctioning the expenditure for the Construction of the buildings. The case may now be circulated for approval of the proposal

✓ M'or p 1 of
'A'on p 5 of